

AMENDMENTS TO THE CLAIMS

List of Claims:

1. (Currently Amended) An apparatus for use with a universal serial bus (USB) enabled host, the apparatus ~~sensor pod~~ comprising:
 - a housing;
 - a sensor disposed within the housing and being configured to provide sensor information;
 - ~~a temperature sensor;~~
 - ~~a humidity sensor;~~
 - ~~an airflow sensor;~~
 - ~~an external sensor interface;~~
 - [[a]] processing circuitry located within the housing and coupled to the sensor;
 - ~~the temperature sensor, the humidity sensor, the airflow sensor, and the external sensor interface being responsive to the processing circuitry;~~
 - a memory ~~responsive~~ coupled to the processing circuitry and ~~including~~ storing a static identification number; and
 - a ~~universal serial bus (USB)~~ interface coupled to the processing circuitry and, the ~~USB interface~~ configured to provide access to the sensor information via the processing circuitry; ~~measured data associated with the temperature sensor, the humidity sensor, the airflow sensor, and the external sensor interface,~~
 - wherein the measured data sensor information is associated with the static identification number by the processing circuitry,
 - wherein the USB interface is configured to respond to a configuration request from the USB-enabled host and to be configured by the USB-enabled host.
- 2-42. (Canceled)

43. (New) The apparatus of claim 1 wherein the apparatus is configured to receive power via the USB interface.

44. (New) The apparatus of claim 1 wherein the sensor includes at least one of a temperature sensor, a humidity sensor, an airflow sensor, and an audio sensor.

45. (New) The apparatus of claim 1 further comprising an external sensor interface coupled to the processing circuitry.

46. (New) The apparatus of claim 45 further comprising a moisture sensor coupled to the external interface.

47. (New) The apparatus of claim 45 further comprising a door sensor coupled to the external interface.

48. (New) The apparatus of claim 1 further comprising a card-edge serial interface disposed on an exterior of the housing.

49. (New) The apparatus of claim 1 wherein the sensor is a first temperature sensor, the apparatus further comprising:

a second temperature sensor located external to the housing and being coupled to the processing circuitry; and

a humidity sensor disposed within the housing and being coupled to the processing circuitry.

50. (New) The apparatus of claim 49 wherein the processing circuitry is configured to determine a dew point using the first and second temperature sensors and the humidity sensor.

51. (New) The apparatus of claim 1 wherein the sensor includes a temperature sensor

52. (New) The apparatus of claim 51 wherein the temperature sensor is a digital temperature sensor.

53. (New) The apparatus of claim 51 wherein the temperature sensor includes an analog temperature sensor, the apparatus further comprising an analog-to-digital converter coupling the analog temperature sensor to the processing circuitry.

54. (New) The apparatus of claim 1 further comprising a display coupled to the processing circuitry.

55. (New) A system comprising:
a sensor pod comprising;
 a housing;
 a sensor disposed at least partially within the housing and being configured to provide sensor information;
 a serial interface;
 a memory storing a static identification number;
 a processor coupled to the sensor, the serial interface, and the memory, and configured to receive the sensor information from the sensor and to associate the static identification number with the sensor information; and
a host being coupled to the serial interface and being configured to detect and configure the sensor pod;
 wherein the processing circuitry is configured to provide the sensor information to the host and the host is configured to receive the sensor information via the serial interface.

56. (New) The system of claim 55 wherein the serial interface is a USB interface and the host is a USB-enabled host.

57. (New) The system of claim 56 wherein the host is a personal computer.

58. (New) The system of claim 56 wherein the sensor pod is configured to receive power from the USB-enabled host via the USB interface.

59. (New) The system of claim 55 wherein the sensor includes at least one of a temperature sensor, a humidity sensor, an airflow sensor, and an audio sensor.

60. (New) The system of claim 55 wherein the processor is configured to measure a dew point.

61. (New) The system of claim 55 wherein the sensor pod further comprises an external sensor interface coupled to the processing circuitry.

62. (New) The system of claim 61 further comprising a moisture sensor coupled to the external sensor interface.

63. (New) The system of claim 61 further comprising a door sensor coupled to the external sensor interface.

64. (New) The system of claim 55 wherein the sensor includes a first temperature sensor, the sensor pod further comprising:

a second temperature sensor located external to the housing and being coupled to the processing circuitry; and

a humidity sensor disposed within the housing and coupled to the processing circuitry.

65. (New) The system of claim 64 wherein the processing circuitry is configured to determine a dew point using the first and second temperature sensors and the humidity sensor.

66. (New) The system of claim 55 further comprising a display coupled to the host wherein the host is configured to manipulate the sensor information and display an image on the display in accordance with the sensor information.

67. (New) The system of claim 55 wherein the host is configured to use the static identification number associated with the sensor information to maintain data integrity.

68. (New) The system of claim 55 wherein the host is configured to process the sensor information in accordance with an algorithm associated with the static identifier.